

XP-002196003

AN - 2000-654333 [63]

AP - RU19980123461 19981224

CPY - UYMO-R

DC - X16

FS - EPI

IC - H01M8/10

IN - KIM S G

MC - X16-C01

PA - (UYMO-R) UNIV MOSC ELTRN TECHN TECH

PN - RU2148878 C1 20000510 DW200063 H01M8/10 000pp

PR - RU19980123461 19981224

XIC - H01M-008/10

XP - N2000-484895

AB - RU2148878 NOVELTY - Fuel element has pair of electrodes, p-type semiconductor material formed on positive electrode, and system feeding homogeneous gas mixture with oxidizing and fuel components to point of contact between semiconductor surface and negative electrode. Both electrodes are solid structures; positive electrode is fully covered with semiconductor material except for point of power lead and is surrounded on all sides by negative electrode through gap except for point of gas mixture inlet and exhaust gas outlet.

- USE - Energy conversion.

- ADVANTAGE - Improved efficiency of energy conversion and reduced cost.

- (Dwg.1/1)

IW - SEMICONDUCTOR FUEL ELEMENT

IKW - SEMICONDUCTOR FUEL ELEMENT

INW - KIM S G

NC - 001

OPD - 1998-12-24

ORD - 2000-05-10

PAW - (UYMO-R) UNIV MOSC ELTRN TECHN TECH

Tl - Semiconductor fuel element